



SRC, Inc.
999 18th Street, Suite 1150
Denver, CO 80202

MONTHLY PROGRESS REPORT
MARCH 2013
TASK ORDER 0005

To: Kirk Roegner (EPA Region 8 Contract Officer)
Barbara Nelson (EPA Region 8 Project Officer)
cc: SRC Project File
From: William Brattin (SRC WAM)

Contract: GS-00F-0019L
Order Number: EP-S8-11-03
EPA Task Order: 0005 (Libby Asbestos Superfund Site Human Health Risk Assessment)
SRC Project No.: FA535.0005
Period covered by this invoice: 03/01/2013-03/31/2013

Financial Summary

Category	Expenses		Budget			Percent Complete ^(b)
	This Month (a)	Cumulative	Ceiling	Funded	Remaining	
██████████	██████████	██████████	██████████	██████████	██████████	██████████
LOE (\$)	\$11,273.34	\$78,951.69	\$96,475	\$96,475	\$17,523.31	82%
SRC Travel (\$)	--	--	--	--	--	--
SRC ODC (\$)	\$0.25	\$0.25	\$366	\$366	\$ 365.75	0%
Subcontractors (\$)	\$4,317.73	\$51,037.51	\$64,689	\$64,689	\$13,651.49	79%
TOTAL (\$)	\$15,591.32	\$129,989.45	\$161,530	\$161,530	\$31,540.55	80%

(a) See Tables CIB 1-4 for a detailed breakdown

(b) Based on funded budget

Explanation of SRC ODCs

- SRC incurred a black and white copy charge of \$0.21 for copying a journal article by Attfield and Hewett (1992) that was identified for consideration by the SAB. This cost was marked up by \$0.04 (19%) to a total cost of \$0.25 (This invoice is documented in Attachment 2).

Explanation of Subcontractor Costs

- SRC received invoices from the University of Cincinnati technical team for work performed in January (1/1/13 – 1/31/13) and February (2/1/13 – 2/28/13). These invoices are documented in Attachment 1, and are summarized below:

Month	UC Hrs.	UC Charge	SRC Markup		Invoice total
January		\$3,108.57			\$3,399.12
February		\$840.09			\$918.61
Total		\$3,948.66			\$4,317.73

SUMMARY OF ACTIVITIES

Task 1 – Support for Non-Cancer Toxicity Factor (RfC)

- SRC performed an evaluation of residence time weighted concentration (rtwC) and residence time weighted cumulative exposure (rtwCE) as exposure metrics. SRC sent a memo outlining the findings and recommending an approach on 3/24.
- SRC ran model fitting for 56 alternative combinations of models and endpoints for the full cohort (N=434), both based on background as a specified value and as a fitting parameter. SRC ran model fitting for the sub-cohort (N=118) using background as a fitting parameter and compared results with those from NCEA as a way to confirm fitting accuracy.
- SRC developed a draft method for ranking model fitting results and for selecting the preferred option(s). SRC worked with EPA to develop a text description of the approach for transmittal to NCEA for discussion. SRC participated in a call with NCEA on 3/26 to discuss the Region 8 approach vs the NCEA approach.

Subtask 1a – Revisions to the RfC Supporting Data and Documentation

- No work was performed on this subtask in this reporting period.

Task 2 – Technical Review and Oversight for the Conduct of Risk Assessments for Libby

- SRC attended risk team meetings (by teleconference) on 3/5 and 3/21.
- SRC ran several Monte Carlo simulations to evaluate the power of a proposed study (collection of 10 indoor ABS samples in 2013) to reliably detect a change in indoor air concentrations between 2007 and 2013. The power is low. Sent results to CDM on 3/5 for inclusion in a memo to EPA.
- SRC prepared a draft memo on the risks to residents of Libby from fires in OU3. This included both the risk from direct inhalation of LA in air during a fire, plus the deposition of fibers to soil in Libby. The draft was sent to EPA for review on 3/12.
- SRC performed a literature search to identify publications that might contain data on the concentration of asbestos in indoor and outdoor air under non-occupational settings. SRC reviewed the search outputs (a list of over 900 publications) and identified those worthy of retrieval and review. SRC began efforts to acquire the selected publications for review (mainly as electronic copies, with some hard copy retrieval needed).

DELIVERABLES SUBMITTED

Task	Deliverable Title	Due Date	Date Delivered	Recipient(s)
1	Revised fitting results Proposed ranking scheme	-- --	3/15, 3/26, 3/28 3/15	Bob Benson, David Berry, NCEA
2	Draft memo on risks to Libby from fires in OU3	--	3/12	David Berry

ISSUES IDENTIFIED AND REMEDIAL ACTIONS TAKEN

- None.

ANTICIPATED ACTIVITIES FOR NEXT MONTHTask 1 – Support for Non-Cancer Toxicity Factor (RfC)

- SRC will perform all final model fitting designated by R8 as being needed to update the Toxicity Review section on derivation of the RfC for LA.
- SRC will work with EPA to revise text descriptions of approaches and results, as needed.

Subtask 1a – Revisions to the RfC Supporting Data and Documentation

- SRC will work with UC to finalize demographic data on cohort members, including data on smoking, age at x-ray, endpoints, etc.
- SRC will work with UC as needed to finalize Appendix F.

Task 2 – Technical Review and Oversight for the Conduct of Risk Assessments for Libby

- SRC will provide evaluation and review of documents or data as may be requested by EPA.

ANTICIPATED DELIVERABLES FOR NEXT MONTH

Task	Deliverable Title	Deliverable Date
1	Revised model fitting calculations	TBD
1a	Final Appendix F	TBD
2	Risk assessment support as requested	TBD

ESTIMATE OF SUBSTANTIAL LAGGING COSTS

None.

ATTACHMENT 1

Documentation of Subcontractor Costs for Task Order 0005
(Libby Asbestos Superfund Site Human Health Risk Assessment)



Cincinnati

Sponsored Program Accounting

51 Goodman Drive
530 University Hall ML 0022

Telephone: (513) 556-4816
Fax: (513) 556-4820

SRC, Inc.
Attn: Lauren Marshall
7502 Round Pond Road
North Syracuse, NY 13212

Invoice Number: 1907915
Sponsor Reference: FA535/SC01
Principal Investigator: Dr Lockey
Award Amount: \$ 46,000.00
Award Period: 5/24/2012 - 6/30/2013
UC Reference: 1009759
UC Federal Tax ID #: 31-6000989

Part D1: Subcontractor Labor PO# SCFA53501

Subcontractor Labor Totals		\$840.09		\$47,289.56
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Please enclose a copy of this invoice with your payment or reference the invoice number on your remittance to:

ACH/EFT Payment:	PNC Bank
(CCD PLUS Compatible)	201 East Fifth Street
	Cincinnati, OH 45202
	ABA (RTN) # 041000124
	Account # 4070624490
Account Name:	University of Cincinnati
SWIFT:	PNCCUS33

Account Name: University of Cincinnati
SWIFT: PNCCUS33

I hereby certify that all expenditures reported or payments requested are for appropriate purposes and are in accordance with the agreements set forth in the award documents.

cc: Teresa Pyles
File

cc: Teresa Pyles
File

ATTACHMENT 2

Documentation of ODCs for Task Order 0005
(Libby Asbestos Superfund Site Human Health Risk Assessment)

SRC Consolidated
Project Non-Labor Detail
Fiscal Year: 2013 Period: 6 Subperiod: 1

Project : FA535.CF999.0.005
Project Description : R8 RA T05 Libby Asbestos
Organization : 01.02.14.02.00
Prime Contract No : EP-S8-11-03
Subcontract No : GS-00F-0019L
Purchase Order No : TASK ORDER 0005
Project Manager : HOHREITER, DAVID W

Status : Active
Project Classification : DIRECT PROJECT
Project Type : GOVT PRIME T&MT
Period of Performance : 02/09/12 to 06/30/13
Customer : 1019
Project Abbreviation :

Name	JE No./ Vchr No.	Invoice	Transaction Description	Fiscal Year	Pd	Sub Pd	Amount
01.02.14.02.00, DES Environmental Health							
5-2-090-01, B&W Dir Copier Alloc	0		Pool Allocation - Pool 90210	2013	6	1	\$ 0.21
Total for 5-2-090-01, B&W Dir Copier Alloc:							\$ 0.21
Total for 01.02.14.02.00, DES Environmental Health:							\$ 0.21
Total for FA535.CF999.0.005, R8 RA TO5 Libby Asbestos:							\$ 0.21

CONTRACT INVOICE BACKUP REPORT (Combined CIB1, CIB-2, CIB-3, CIB-4)

Order Number	EP-11-S8-03	Invoice Number	127822
Order Name	Region 8 Risk Assessment Support	Invoice date	4/5/2013
Task Order	0005 (Libby Asbestos Superfund Site Human Health Risk Assessment)		
Invoice period of performance	03/01/2013 -03/31/2013		

PART A: SRC LABOR

Title	Name	Rate	Current Period		Project Cumulative	
			Total hrs	Total Amt	Total hrs	Total Amt
SRC LABOR TOTALS				\$11,273.34		\$78,951.69

PART B: SRC TRAVEL

D. SRC TRAVEL						
Title	Name			Current		Cumulative
		Travel cost				
		Travel cost				
		Total travel cost				
		G&A (travel)				
		SRC TRAVEL TOTALS		\$0.00		\$0.00

PART C: SRC ODCs

			Current		Cumulative
	ODCs		\$0.21		\$0.21
	G&A (ODCs)	19%	\$0.04		\$0.04
	SRC ODC TOTALS		\$0.25		\$0.25

PART D1: SUBCONTRACTOR LABOR

017 SUBCONTRACTOR LABOR			Current Period		Project Cumulative	
Title	Name (Company)	Rate	Total hrs	Total Amt	Total hrs	Total Amt
Subcontractor Labor Totals:				\$3,948.66		\$47,289.58
SRC subcontractor G&A FY 13		9.35%		\$369.07		\$3,747.93
SUBCONTRACTOR LABOR TOTALS				\$4,317.73		\$51,037.51

PART D2: SUBCONTRACTOR TRAVEL

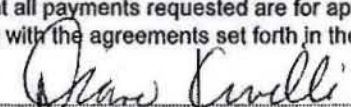

Title		Name (Company)		Current	Cumulative
	Travel cost				
	Travel cost				
	Total travel cost				
	SRC G&A (subcontractor)				
SUBCONTRACTOR TRAVEL TOTALS				\$0.00	\$0.00

PART D3: SUBCONTRACTOR ODCs

Sub-Contractor Company			Current		Cumulative
	ODCs				
	ODCs				
	Total subcontractor ODCs				
	SRC G&A (subcontractor)				
SUBCONTRACTOR ODC TOTALS			\$0.00		\$0.00

PART E: TASK ORDER TOTALS

		Current Period		Project Cumulative	
		Total hrs	Total Amt	Total hrs	Total Amt
	TASK ORDER TOTALS		\$15,591.32		\$129,989.45

Standard Form 1034 7 GAO 5000 1034-114		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL			VOUCHER NO. 12	
U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION U.S. ENVIRONMENTAL PROTECTION AGENCY 109 TW ALEXANDER DRIVE MAIL CODE - D143-02 RESEARCH TRIANGLE PARK, NC 27711				DATE VOUCHER PREPARED 04/05/13		SCHEDULE NO. PAID BY DATE INVOICE RECEIVED DISCOUNT TERMS PAYEE'S ACCOUNT NUMBER
				CONTRACT NUMBER AND DATE EP-S8-11-03		
				REQUISITION NUMBER AND DATE		
PAYEE'S NAME AND ADDRESS SRC, INC M&T Bank (ACH - EPA) 7502 Round Pond Road North Syracuse, NY 13212 FEDERAL TAX ID NUMBER: 15-0589832 FA535.CF999.0.005						
SHIPPED FROM		TO		WEIGHT		GOVERNMENT B/L NUMBER
NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES <small>(Enter description, item number of contract or Federal supply schedule, and other information deemed necessary)</small>	QUAN- TITY	UNIT PRICE COST	PER	AMOUNT (1)
	March 01, 2013 through March 31, 2013	For detail, see SF 1035 Continuation Sheet, total amount claimed transferred from Page 1 SF 1035. TASK ORDER 0005 COST REIMBURSABLE PROVISIONAL PAYMENT "I certify that all payments requested are for appropriate purposes and in accordance with the agreements set forth in the contract."  Name of Official				\$15,591.32
			 Title			
(Use continuation sheets(s) if necessary)			(Payee must NOT use the space below)		TOTAL	\$15,591.32
PAYMENT:	APPROVED FOR	EXCHANGE RATE				
<input type="checkbox"/> COMPLETE	Provisional payment subject to later audit	= \$1.00				
<input type="checkbox"/> PARTIAL	BY:					
<input type="checkbox"/> FINAL	Micheline Torre					
<input type="checkbox"/> PROGRESS	TITLE:	Amount verified; correct for				
<input type="checkbox"/> ADVANCE	Defense Contract Audit Agency, Branch Manager	(Signature or initials)				
ACCOUNTING CLASSIFICATION						
BANK	CHECK NUMBER	ON TREASURER OF THE UNITED STATES		CHECK NUMBER	ON (Name of bank)	
	CASH	DATE		PAYEE		
1. When stated in foreign currency, insert name of currency. 2. If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title. 3. When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.				PER TITLE		

Billing Number: 0012
Invoice Number: INV-00000127822

Invoice Date: 04/05/2013

Bill To:
US ENVIRONMENTAL PROTECTION AGENCY
109 TW ALEXANDER DRIVE
MAIL CODE D-143-02
RESEARCH TRIANGLE PARK, NC 27711

Remit To:
SRC, Inc
7502 Round Pond Road
North Syracuse, NY 13212-2510

Customer Number: 1019
Prime Contract Number: EP-S8-11-03
Subcontractor Number: GS-00F-0019L
Customer PO Number: TASK ORDER 0005
Project Number: FA535.CF999.0.005
Project Name: R8 RA TO5 Libby Asbestos
Terms: NET 30
Due Date: 05/05/2013

	Contract Value	Funded Value
Cost:	0.00	161,530.00
Fee:	0.00	0.00
Total:	0.00	161,530.00

Cumulative Amount Billed: 129,989.45

Billing Period From: 03/01/2013
To: 03/31/2013

	Current Hours	Rate	Current Amount	Cumulative Hours	Cumulative Amount
<div></div>					
DIRECT LABOR			11,273.34		78,951.69
OTHER DIRECT COSTS			0.25		0.25
SUBCONTRACT			4,317.73		51,037.51
OTHER DIRECT COSTS			4,317.98		51,037.76
Invoice Total			15,591.32		129,989.45

Current Incurred Hours:
Cumulative Incurred Hours:

Date: 04/05/13
Time: 11:07:05 AM

SRC Consolidated
Project Labor Summary

Page 2

By Project, Project Labor Category (PLC), Employee/Vendor Detail
As of Fiscal Year: 2013 Period: 6 Subperiod: 1 Ending: 03/31/2013

Project:	FA535.CF999.0.005	Contract Value:	0.00
Name:	R8 RA TO5 Libby Asbestos	Funded Value:	161,530.00
Owning Organization:	01.02.14.02.00	Project Classification:	DIRECT PROJECT
Prime Contract Number:	EP-S8-11-03	Project Type:	GOVT PRIME T&MT
Subcontract Number:	GS-00F-0019L	Period of Performance:	02/09/2012 - 06/30/2013
Purchase Order:	TASK ORDER 0005	Active:	Yes
Project Manager:	HOHREITER, DAVID W		
Customer:	EPA		

Labor Category	Period Actual Hours
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Project Labor Category (PLC): SCI1 SCIENTIST 1

Total for SCI1:

Project Labor Category (PLC): SCI5 SCIENTIST 5

Total for SCI5:

Project Labor Category (PLC): SPEC1 SPECIALIST 1

Total for SPEC1:

Project Labor Category (PLC): TM3SRC TECH MGR 3 - SRC

Total for TM3SRC:

Project Labor Category (PLC):
13075 UNIVERSITY OF CINCINNATI

Total for :

Date: 04/05/13
Time: 11:07:05 AM

SRC Consolidated

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Project Labor Summary

By Project, Project Labor Category (PLC), Employee/Vendor Detail
As of Fiscal Year: 2013 Period: 6 Subperiod: 1 Ending: 03/31/2013

Project:	FA535.CF999.0.005	Contract Value:	0.00
Name:	R8 RA T05 Libby Asbestos	Funded Value:	161,530.00
Owning Organization:	01.02.14.02.00	Project Classification:	DIRECT PROJECT
Prime Contract Number:	EP-S8-11-03	Project Type:	GOVT PRIME T&MT
Subcontract Number:	GS-00F-0019L	Period of Performance:	02/09/2012 - 06/30/2013
Purchase Order:	TASK ORDER 0005	Active:	Yes
Project Manager:	HOHREITER, DAVID W		
Customer:	EPA		

Labor Category	Period Actual Hours
Total for FA535.CF999.0.005:	